

## **ABSTRACT**

An apparatus for scarifying an interior surface of a sewer pipe, which includes a vehicle moveable along an interior of the sewer pipe and a scarifying assembly connected to the  
5 vehicle having a fluid nozzle assembly. The fluid nozzle assembly has at least one branch with a fluid nozzle coupled to a distal end of the branch. The nozzle is positioned proximate the interior surface of the passageway. The fluid nozzle assembly is operative to rotate or oscillate and to  
10 emit a jet of fluid from the one nozzle against the interior surface of the passageway and to scarify the interior surface of the passageway as the vehicle moves along the passageway.